

Ocean Breakout Summary

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Have you ever used CLASS?

If not why? If so, did it satisfy your needs?

- 10/12 have used it. One had not heard about it until recently
- Some were satisfied. Found it useful for single image acquisition. Satisfied for getting SAR data.
- Did not satisfy need for bulk data or automated acquisition of historical data.
- Some cross platform issues of web interface
- Image browse for more than just AVHRR would be nice.
- Output formats for GIS.
- First time users have problems. Maybe some intro/educational information would be helpful
- Need to select coincident data from different platforms and sensors and parameters
- Drop down list is too long

Through what mechanisms do you currently get archived data? In what formats?

- Agency web sites
- Personal contacts
- FTP and HTTP
- OPeNDAP whenever possible
- A lot in netCDF and HDF4 some HDF5
- Binary flat files
- NOAA 1b format

What timelines does your program require?

- More on >24 hours, but definite, specific applications require nearly immediate access.

What file formats do you prefer?

- HDF4/5
- netCDF
- GeoTIFF

What metadata are required?

- FGDC for collection level
- Searchable granule level (Rich Inventory)

How important is it that CLASS offer access to data and metadata via APIs? Which ones?

- Extremely important!
- OPeNDAP-enabled APIs
- OGC-enabled APIs
- Data discovery APIs... such as CoRIS.
Including capability to search for available *services*

What data discovery tools are required?

- Both machine and human interfaces
- Searching for services available
- Event specific searches
- GIS-type searches

What type of documentation will add value to the archive contents?

- Instrument description/ histories/ events?
Description of processing and algorithms?
- All good. These are essential metadata that the data providers should be responsible for. These imply CLASS needs the capability to ingest these kinds of things that aren't "regular" metadata or data.

Is it important for NOAA to reprocess the class data holdings to improve their quality?

- Yes! But resources are required to enable this! Is it is a possibility for external (user) money be used on a case-by-case basis? Provisions for guess access to CLASS machines...

What are the weakness that you see in the user services or infrastructure planned by CLASS?

- The plans look good. Question is which pieces will actually be accomplished. Need a clearly articulated timeline for the planned improvements.

How to convert operational data to research quality?

- Need the reprocessing efforts! Need more seamless transitions between operational and reprocessed data

Other comments?

- Keep this a periodic event!
- CLASS should attend AMS, AGU, and *oceanography* science meetings
- More outreach
- Need those expert teams!
- APIs and the human aspects critical
- ESIP Federation should act as a focal point for technological issues, user requirements, metadata managements, data interoperability, etc.